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### 1 [Defending wireless infrastructure against the challenge of DDoS attacks](#)

Xianjun Geng, Yun Huang, Andrew B. Whinston

June 2002 Mobile Networks and Applications, Volume 7 Issue 3

Publisher: Kluwer Academic Publishers

Full text available: pdf(313.57 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index in](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 152, Citation Count: 3

This paper addresses possible Distributed Denial-of-Service (DDoS) attacks toward the wireless including the Wireless Extended Internet, the Wireless Portal Network, and the Wireless Ad Hoc We propose a conceptual model for defending ...

Keywords: DDoS attack, PBN, wireless ad hoc network, wireless extended internet, wireless infrastructure, wireless portal network

### 2 [A simple mechanism for capturing and replaying wireless channels](#)

Glenn Judd, Peter Steenkiste

August 2005 E-WIND '05: Proceedings of the 2005 ACM SIGCOMM workshop on Experimental app wireless network design and analysis

Publisher: ACM

Full text available: pdf(5.96 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index in](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 446, Citation Count: 1

Physical layer wireless network emulation has the potential to be a powerful experimental tool. , important challenge in physical emulation, and traditional simulation, is to accurately model the channel. In this paper we examine the possibility ...

Keywords: channel capture, emulation, wireless

### 3 [Communications of the ACM: Volume 51 Issue 1](#)

January 2008 issue Volume 51 Issue 1

Publisher: ACM

 Full text available: pdf(5.97 MB) digital edition( 90 bytes) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 488, Downloads (12 Months): 1076, Citation Count: 0

#### 4 [Communications of the ACM: Volume 51 Issue 2](#)



February 2008 issue Volume 51 Issue 2

Publisher: ACM

Full text available: pdf(3.89 MB) digital edition( 00 bytes) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 385, Downloads (12 Months): 645, Citation Count: 0

#### 5 [A guided tour to approximate string matching](#)



Gonzalo Navarro

March 2001 ACM Computing Surveys (CSUR), Volume 33 Issue 1

Publisher: ACM

Full text available: pdf(1.19 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index in](#)

Bibliometrics: Downloads (6 Weeks): 105, Downloads (12 Months): 1073, Citation Count: 70

We survey the current techniques to cope with the problem of string matching that allows errors becoming a more and more relevant issue for many fast growing areas such as information retrieval, computational biology. We focus on online searching ...

Keywords: Levenshtein distance, edit distance, online string matching, text searching allowing

#### 6 [Proceedings of the conference on Design, automation and test in Europe](#)

Rudy Lauwereins, Jan Madsen

April 2007 proceeding

Publisher: EDA Consortium

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to the DATE 07 Conference Proceedings. DATE combines the world's leading electronic design conference and Europe's leading international exhibition for electronic design, automation from system level hardware and software implementation ...

#### 7 [TimeSpace: activity-based temporal visualisation of personal information spaces](#)

Aparna Krishnan, Steve Jones

January 2005 Personal and Ubiquitous Computing, Volume 9 Issue 1

Publisher: Springer-Verlag

Full text available: pdf(507.42 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index in](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 132, Citation Count: 1

Users' personal information spaces are characterized by their content, organisation, and ongoing interaction with them. They are fluid entities, evolving over time, and supporting multiple user activities that may require different perspectives ...

Keywords: Information management, Personal information spaces, Visualisation

#### 8 [A generic component model for building systems software](#)



Goff Coulson, Gordon Blair, Paul Grace, Francois Taiani, Ackbar Joolia, Kevin Lee, Jo Ueyama, Thirunavukkarasu Sivaharan

February 2008 ACM Transactions on Computer Systems (TOCS), Volume 26 Issue 1

Publisher: ACM

Full text available:  pdf(663.68 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 280, Downloads (12 Months): 280, Citation Count: 0

Component-based software structuring principles are now commonplace at the application level; componentization is far less established when it comes to building low-level systems software. *A* there have been pioneering efforts in applying componentization ...

Keywords: Component-based software, computer systems implementation

## 9 [The effects of asymmetry on TCP performance](#)

Hari Balakrishnan, Randy H. Katz, Venkata N. Padmanabhan

October 1999 *Mobile Networks and Applications*, Volume 4 Issue 3

Publisher: Kluwer Academic Publishers


Full text available:  pdf(382.76 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 77, Citation Count: 6


In this paper, we study the effects of network asymmetry on end-to-end TCP performance and some techniques to improve it. The networks investigated in this study include a wireless cable modem and a packet radio network, both of which can ...

## 10 [WiFiProfiler: cooperative diagnosis in wireless LANs](#)

 Ranveer Chandra, Venkata N. Padmanabhan, Ming Zhang

June 2006 *MobiSys '06: Proceedings of the 4th international conference on Mobile systems, applications, and services*

Publisher: ACM

Full text available:  pdf(404.12 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 121, Citation Count: 1

While 802.11-based wireless hotspots are proliferating, users often have little recourse when their devices do not work or perform poorly *for them*. They are left trying to manually debug the problem, which can be a frustrating and disruptive ...

Keywords: 802.11, fault diagnosis, peer-to-peer performance problems, wireless networks

## 11 [Ubiquitous computing in the real world: lessons learned from large scale RFID deployments](#)

Shin'ichi Konomi, George Roussos

October 2007 *Personal and Ubiquitous Computing*, Volume 11 Issue 7


Publisher: Springer-Verlag

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0


Ubiquitous computing technologies are slowly finding their way into commercial information systems. However, they are often constructed at considerably larger scale compared to what is possible in research demonstrations. Furthermore, lengthy and costly preparation ...

## 12 [Fairness and load balancing in wireless LANs using association control](#)

 Yigal Bejerano, Seung-Jae Han, Li (Erran) Li

September 2004 *MobiCom '04: Proceedings of the 10th annual international conference on Mobile computing and networking*

Publisher: ACM

Full text available:  [pdf\(377.05 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index is](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 329, Citation Count: 9

Recent studies on operational wireless LANs (WLANs) have shown that user load is often unevenly distributed among wireless access points (APs). This unbalanced load results in unfair bandwidth among users. We observe that the unbalanced load ...


Keywords: IEEE 802.11, approximation algorithms, load balancing, max-min fairness, wireless networks (WLAN)

### 13 [Supporting configurability in a mixed-media environment for design students](#)

Thomas Binder, Giorgio De Michelis, Michael Gervautz, Giulio Jacucci, Kresimir Matkovic, Thomas P. Wagner

September 2004 *Personal and Ubiquitous Computing*, Volume 8 Issue 5

Publisher: Springer-Verlag

Full text available:  [pdf\(573.71 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index is](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 55, Citation Count: 4

In many environments, the landscape of space and artefacts is evolving and changing with the hand. Integrating digital media and computation in these environments has to take into account that people will configure space functions and ...


Keywords: Boundary objects, Configurability, Mixed media environments, Mixed objects, Physical interfaces

### 14 [Joint channel assignment and routing for throughput optimization in multi-radio wireless mesh networks](#)

Mansoor Alicherry, Randeep Bhatia, Li (Erran) Li

August 2005 *MobiCom '05: Proceedings of the 11th annual international conference on Mobile computing and networking*

Publisher: ACM

Full text available:  [pdf\(391.93 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index is](#)

Bibliometrics: Downloads (6 Weeks): 89, Downloads (12 Months): 809, Citation Count: 13

Multi-hop infrastructure wireless mesh networks offer increased reliability, coverage and reduced equipment costs over their single-hop counterpart, wireless LANs. Equipping wireless routers with radios further improves the capacity by transmitting ...

Keywords: approximation algorithm, graph theory, mathematical programming, wireless mesh

### 15 [Building realistic mobility models from coarse-grained traces](#)

Jungkeun Yoon, Brian D. Noble, Mingyan Liu, Minkyong Kim

June 2006 *MobiSys '06: Proceedings of the 4th international conference on Mobile systems, applications and services*

Publisher: ACM

Full text available:  [pdf\(971.92 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 126, Citation Count: 1

In this paper we present a trace-driven framework capable of building realistic mobility models from simulation studies of mobile systems. With the goal of realism, this framework combines coarse wireless traces, i.e., association data between ...

Keywords: statistical mobility model

16 [The embedded software consortium of taiwan](#)



Tai-Yi Huang, Chung-Ta King, Youn-Long Steve Lin, Yin-Tsung Hwang

August 2005 ACM Transactions on Embedded Computing Systems (TECS), Volume 4 Issue 3

Publisher: ACM

Full text available: [pdf\(422.96 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 153, Citation Count: 2

The advancement of semiconductor manufacturing technology makes it practical to place a trade-board-level embedded system on a single chip. The evolution of system-on-chip (SoC) technology presents new challenges for integrated circuit designs ...

Keywords: Embedded software, educational curricula, integrated circuit design

17 [J-Sim: A Simulation Environment for Wireless Sensor Networks](#)

Ahmed Sobeih, Wei-Peng Chen, Jennifer C. Hou, Lu-Chuan Kung, Ning Li, Hyuk Lim, Hung-Ying Tye Zhang

April 2005 ANSS '05: Proceedings of the 38th annual Symposium on Simulation

Publisher: IEEE Computer Society

Full text available: [pdf\(278.29 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 277, Citation Count: 1

Wireless Sensor Networks (WSNs) have gained considerable attention in the past few years. As has been an increasing need for defining and developing simulation frameworks for carrying out fidelity WSN simulation. In this paper, we present ...

18 [Accelerometer-based gesture control for a design environment](#)

Juha Kela, Panu Korpipää, Jani Mäntyjärvi, Sanna Kallio, Giuseppe Savino, Luca Jozzo, Di Marca

July 2006 Personal and Ubiquitous Computing, Volume 10 Issue 5

Publisher: Springer-Verlag

Full text available: [pdf\(497.96 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 300, Citation Count: 3

Accelerometer-based gesture control is studied as a supplementary or an alternative interaction. Gesture commands freely trainable by the user can be used for controlling external devices with wireless sensor unit. Two user studies ...

Keywords: Accelerometer, Gesture control, Gesture recognition, Mobile device, Multimodal inte

19 [Distributed interface bits: dynamic dialogue composition from ambient computing resource](#)

Anthony Savidis, Constantine Stephanidis

May 2005 Personal and Ubiquitous Computing, Volume 9 Issue 3

Publisher: Springer-Verlag

Full text available: [pdf\(1.70 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 61, Citation Count: 2

This paper discusses a particular issue in the context of disappearing computing, namely, user n Mobile users may carry with them a variety of wireless gadgets while being immersed in a physical environment encompassing numerous computing devices. ...


**Keywords:** Abstract dialogue elements, Adaptive interaction, Ambient dialogues, Dynamic user composition, Wearable interfaces

## 20 [Creating innovative new media programs: need, challenges, and development framework](#)

Nalin K. Sharda

September 2007 Em me '07: Proceedings of the international workshop on Educational multimedia e multimedia education

Publisher: ACM

Full text available:  [pdf\(372.68 KB\)](#)

[Additional Information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 132, Citation Count: 0





This paper presents a framework for creating innovative New Media programs. Demand for tradi Computer Science and Information Technology (CS/IT) programs has gone down in recent years; multimedia applications have grown exponentially ...

**Keywords:** creativity, innovation, multimedia education, problem based learning, story-centred

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